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APPLICATION N	Ю.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/516,576		12/02/2004	Kouichi Hiranaka	8861-509US(P30474-01)	5132
570	7590	06/16/2006		EXAMINER	
		RAUSS HAUER & I	SPEER, TIMOTHY M		
ONE COMMERCE SQUARE 2005 MARKET STREET, SUITE 2200				ART UNIT	PAPER NUMBER
PHILADI	ELPHIA, 1	PA 19103		1775	
				DATE MAILED: 06/16/2006	5

Please find below and/or attached an Office communication concerning this application or proceeding.

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		Application No.	Applicant(s)					
		10/516,576	HIRANAKA ET AL.					
Office Action Summary		Examiner	Art Unit					
		Timothy M. Speer	1775					
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply								
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).								
Status								
1)⊠	Responsive to communication(s) filed on 27 M	arch 2006.						
2a)	This action is FINAL . 2b)⊠ This action is non-final.							
3)[Since this application is in condition for allowance except for formal matters, prosecution as to the merits is							
	closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.							
Disposit	ion of Claims							
4)⊠ Claim(s) <u>1-5,7 and 9-28</u> is/are pending in the application.								
,	4a) Of the above claim(s) <u>21-28</u> is/are withdrawn from consideration.							
5)	5) Claim(s) is/are allowed.							
6)⊠	☑ Claim(s) <u>1-5,7 and 9-20</u> is/are rejected.							
7)	Claim(s) is/are objected to.							
8)[B) Claim(s) are subject to restriction and/or election requirement.							
Applicat	ion Papers							
9)[7	The specification is objected to by the Examine	ır.						
10)⊠ The drawing(s) filed on <u>20 December 2004</u> is/are: a)⊠ accepted or b)□ objected to by the Examiner.								
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).								
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).								
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.								
Priority (under 35 U.S.C. § 119							
12)⊠ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a)⊠ All b)□ Some * c)□ None of:								
	1. Certified copies of the priority documents have been received.							
	2. Certified copies of the priority documents have been received in Application No							
3. Copies of the certified copies of the priority documents have been received in this National Stage								
application from the International Bureau (PCT Rule 17.2(a)).								
* See the attached detailed Office action for a list of the certified copies not received.								
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Attachmer	nus) ce of References Cited (PTO-892)	4) 🔲 Interview Sur	nmary (PTO-413)					
2) Notice of Draftsperson's Patent Drawing Review (PTO-948) Paper No(s)/Mail Date.								
	mation Disclosure Statement(s) (PTO-1449 or PTO/SB/08) er No(s)/Mail Date 12/02/04.	5) Motice of Info						
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Election/Restrictions

1. Applicant's election of Group I in the reply filed on 03/27/06 is acknowledged. Because applicant did not distinctly and specifically point out the supposed errors in the restriction requirement, the election has been treated as an election without traverse (MPEP § 818.03(a)).

Information Disclosure Statement

- 2. The information disclosure statement filed 12/02/04 has been considered and made of record. A copy of the 1449 initialed, dated and signed by the Examiner is included herewith.
- 3. Receipt is acknowledged of papers submitted under 35 U.S.C. 119(a)-(d), which papers have been placed of record in the file.

Claim Objections

- 4. Claims 1-5, 15 and 20 are objected to because of the following informalities: ***
 - a) claim 1, line 7, the word "cooper" should be --copper--;
 - b) claim 1, line 8, the word "valued" should be --value--; and
 - c) claim 2, line 3, the word "plan" should be --plane--.

Appropriate correction is required.

Claim Rejections - 35 USC § 112

- 5. The following is a quotation of the second paragraph of 35 U.S.C. 112:
 - The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.
- 6. Claims 1-5, 7 and 9-20 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

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In each of the independent claims, the phrase "said bottom layer is configured as such that functional groups are generated on said plastic film substrate through plasma processing using mixture gas containing nitrogen, thereby forming metal made of copper or an alloy containing primarily copper, and then said metal and atoms constituting said plastic film substrate are chemically bonded" is unclear, rendering these claims indefinite. It is unclear how the "metal made of copper or an alloy containing primarily copper" is formed reaction of the substrate. Clarification is requested.

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In claim 11, the term "the irregular face" (penultimate line), lacks antecedent basis, thereby rendering this claim indefinite.

Claim 20 contains the trademark/trade name Teflon. Where a trademark or trade name is used in a claim as a limitation to identify or describe a particular material or product, the claim does not comply with the requirements of 35 U.S.C. 112, second paragraph. See *Ex parte*Simpson, 218 USPQ 1020 (Bd. App. 1982). The claim scope is uncertain since the trademark or trade name cannot be used properly to identify any particular material or product. A trademark or trade name is used to identify a source of goods, and not the goods themselves. Thus, a trademark or trade name does not identify or describe the goods associated with the trademark or trade name. In the present case, the trademark/trade name is used to identify/describe a good and, accordingly, the identification/description is indefinite.

Additionally, claim 20 contains improper Markush language, rendering this claim indefinite.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Timothy M. Speer whose telephone number is 571-272-8385. The examiner can normally be reached on M-Th, M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jennifer McNeil can be reached on 571-272-1540. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Timothy M. Speer

JOHN J. ZIMMERMAN PRIMARY EXAMINER